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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/833,038	04/12/2001	Yasuhiro Nakai	1035-317	2393

7590 09/22/2004

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1100 North Glebe Rd., 8th Floor  
Arlington, VA 22201-4714

EXAMINER
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GREENE, DANIEL L

ART UNIT	PAPER NUMBER
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3621

DATE MAILED: 09/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/833,038	NAKAI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Daniel L. Greene	3621	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 August 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. _____  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>6/2004</u> .  | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Response to Amendment***

1. The Amendment filed on 8/18/2004 is sufficient to overcome the Morishita and Ginter references.

### ***Response to Arguments***

Applicant's arguments, see Remarks, filed 8/18/2004, with respect to the rejection(s) of claim(s) 1, 5, 9, and 15 under Morishita and Ginter have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Merkle U.S. Patent 6,330,549 [Merkle].

- 1.

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Morishita et al. U.S. Patent 5,968,175 [Morishita], Ginter et al. U.S. Patent 5,910,987 [Ginter], and in further view of Merkle U.S. Patent 6,330,549 [Merkle]
3. As per claims 1 and 5:

4. Morishita discloses:

a program storing section for storing a first program for controlling basic operations of said electronic apparatus, and a second program that is a subroutine and is accessed in said first program so as to control an additional operation of said electronic apparatus; Fig. 14.

a control section for implementing a desired operation by executing only said first program, or both said first and second programs; Col. 4, lines 25-37.

a system managing section that, that renders the additional operation implementable, makes said second program accessible in said first program. Col. 7, lines 5-20.

Morishita discloses the claimed invention except for the system managing section that, response to a releasing key operation. Ginter teaches that it is known in the art to provide a releasing key operation. Col. 46-47, lines 1-67. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the software use method control system of Morishita with the releasing key operation of Ginter, in order to provide the control and security required to insure proper protocol is followed to receive the remuneration assigned to the use of the software program.

Morishita discloses the claimed invention, as discussed above, except for the step of wherein said first program is accessible and operable both before and after the releasing key operation. However, the Examiner submits that both the main programs in the Application and the Prior Art remain functional because neither of them teaches

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about the changes in the original operating program that would affect their accessibility or operability after the releasing operation. In fact, the Examiner submits that the original operating programs of the Application and the Prior Art by definition must maintain their operability because the purpose of the release key operation is to expand/complement the original operating program.

Since the applicant has not disclosed that wherein said first program is accessible and operable both before and after the releasing key operation solves any stated problem in a new or unexpected way or is for any particular purpose which is unobvious to one of ordinary skill and it appears that the claimed feature does not distinguish the invention over similar features in the prior art since, the teachings of Morishita will perform the invention as claimed by the applicant with any means, method, or product to wherein said first program is accessible and operable both before and after the releasing key operation.

1. In reference to Claim 5, wherein said releasing key operation determines whether the release key information matches release key information stored in memory and if so then making the second program accessible. The Examiner submits that the normal procedure for a release key operation, as shown in the prior art, is a comparison with an internal key within a program, to an externally acquired key from the person desiring to control the use of the program.

The Applicant amended Claims 1 and 5 by adding, wherein the second program is a subroutine of the first program. It is well known that a person having ordinary skill in the art that the concept of shareware, i.e. providing a demo or short version of a

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program for non-restricted use, requires a key to access the rest of the program.

Morishita teaches about the copyright owner creating protected software, which can be used by his specified use method. Col. 19, lines 50-54. Morishita further teaches encoding a key with the personal ID of the owner, the software ID and the user's personal ID. Col. 25, lines 37-50.

Merkle teaches that it is known in the art to provide wherein the second program is a subroutine of the first program. Col. 3, lines 28-50. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the software use control system of Morishita with the wherein the second program is a subroutine of the first program of Merkle, in order to promote the use of the program by providing a demo or short version of a program for non-restricted use.

As per claims 2, 6, 10, and 16:

Morishita further disclose:

wherein said releasing key is produced using at least information peculiar to said apparatus. Col. 69, lines 30-40.

As per claims 3, 7, 11, and 17:

Morishita further discloses:

said electronic apparatus is connected with a managing side via a wide-area network; and the managing side carries out the releasing key operation by remote control. Fig. 8.

As per claims 4, 8, 14, and 20:

Morishita further discloses:

said program storing section stores a plurality of second programs; and  
with respect to a certain combination of said second programs, said system managing  
section renders said second programs implementable by only one releasing-key  
operation. Col. 14, lines 12-67

As per claims 9 and 15:

Morishita discloses:

a program storing section for storing a first program for controlling basic  
operations of said electronic apparatus, and a second program that is accessible in said  
first program and controls an additional operation of said electronic apparatus; Fig. 14.

a control section for implementing a desired operation by executing only said first  
program, or both said first and second programs; Fig. 9

Morishita discloses the claimed invention except for the a system managing  
section that, in response to a releasing key operation, makes said second program  
accessible by said first program, said management system comprising a key issuing  
section on a managing side, said key issuing section issuing said releasing key upon  
confirming that a predetermined procedure has been conducted by a user side.

Ginter teaches that it is known in the art to provide a system managing section  
that, in response to a releasing key operation, makes said second program accessible

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by said first program, said management system comprising a key issuing section on a managing side, said key issuing section issuing said releasing key upon confirming that a predetermined procedure has been conducted by a user side. Col. 53-56, lines 1-67.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the software use method control system of Morishita with the system managing section that, in response to a releasing key operation, makes said second program accessible by said first program, said management system comprising a key issuing section on a managing side, said key issuing section issuing said releasing key upon confirming that a predetermined procedure has been conducted by a user side of Ginter, in order to provide the control and security required to insure proper protocol is followed to use the software program.

Morishita discloses the claimed invention, as discussed above, except for the step of wherein said first program is accessible and operable both before and after the releasing key operation. However, the Examiner submits that both the main programs in the Application and the Prior Art remain functional because neither of them teaches about the changes in the original operating program that would affect their accessibility or operability after the releasing operation. In fact, the Examiner submits that the original operating programs of the Application and the Prior Art by definition must maintain their operability because the purpose of the release key operation is to expand/complement the original operating program.

The Applicant amended Claims 9 and 15 by adding, wherein the second program is a subroutine of the first program. It is well known that a person having ordinary skill I

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the art that the concept of shareware, i.e. providing a demo or short version of a program for non-restricted use, requires a key to access the rest of the program.

Morishita teaches about the copyright owner creating protected software, which can be used by his specified use method. Col. 19, lines 50-54. Morishita further teaches encoding a key with the personal ID of the owner, the software ID and the user's personal ID. Col. 25, lines 37-50.

Merkle teaches that it is known in the art to provide wherein the second program is a subroutine of the first program. Col. 3, lines 28-50. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the software use control system of Morishita with the wherein the second program is a subroutine of the first program of Merkle, in order to promote the use of the program by providing a demo or short version of a program for non-restricted use.

As per claims 12 and 18:

Morishita further discloses:

wherein, on said managing side, said key issuing section issues said releasing key in response to entrance into a use contract or payment of a use fee. Col. 32, lines 1-37.

As per claims 13 and 19:

Morishita further discloses:

wherein history information relating to say said managing side manages issuance of a releasing key. Col. 33, lines 1-45.

As per claim 21:

Morishita further discloses:

wherein said releasing key operation comprises, in response to a request by the electronic apparatus, the electronic apparatus receiving release key information from a service center remote from the electronic apparatus and determining whether the release key information matches release key information stored in memory and if so then making the second program accessible. Col. 7, lines 5-25.

Examiner's Note: Examiner has cited particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant.

Although the specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant, in preparing the responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

***Conclusion***

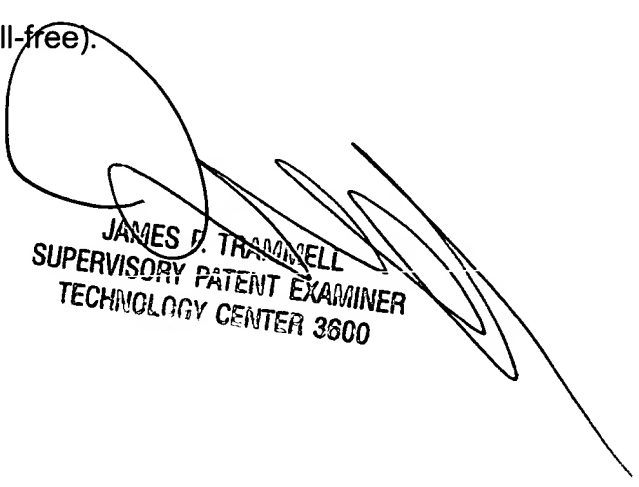
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel L. Greene whose telephone number is 703-306-5539. The examiner can normally be reached on M-Thur. 8am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James P. Trammell can be reached on 703-305-9768. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

9/15/2004

DLG

  
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